27. The peristaltic pump according to claim **24**, wherein when the actuator is disengaged with the biased plunger, the cam follower does not follow the cam.

28. The peristaltic pump according to claim **24**, wherein when the actuator is disengaged with the biased plunger, the cam follower and the cam are not in physical contact with each other.

29. The peristaltic pump according to claim **22**, wherein in each cycle of the peristaltic pump, the first stage occurs prior to the second stage, the second stage occurs prior to the third stage, and the third stage occurs prior to the fourth stage.

30. The peristaltic pump according to claim **22**, wherein the actuator, a spring, and the biased plunger are configured to charge the spring when the actuator moves the biased plunger away from the tube.

31. The peristaltic pump according to claim **22**, wherein the actuator, a spring, and the biased plunger are configured to discharge the spring when the actuator disengages from the biased plunger.

32. The peristaltic pump according to claim **22**, wherein the actuator is configured to disengage from the biased plunger to thereby discharge a spring to bias the biased plunger against the tube.

33. The peristaltic pump according to claim **22**, wherein movement of the actuator does not correspond to movement of the biased plunger when the actuator disengages from the biased plunger.

34. The peristaltic pump according to claim **22**, wherein the actuator is configured to engage the biased plunger to lift the biased plunger away from the tube and disengage the biased plunger to allow a spring to generate a force from the biased plunger against the tube.

35. The peristaltic pump according to claim **22**, wherein the peristaltic pump is configured such that a force of the biased plunger applied to the tube by the biased plunger is produced by a spring and not the actuator.

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